

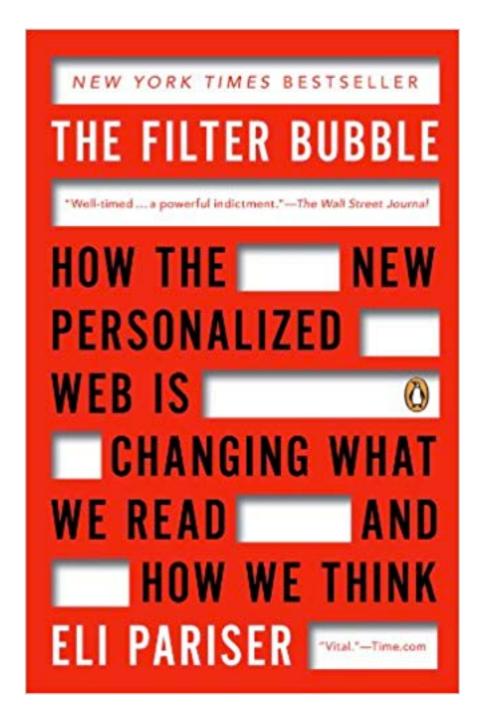
K. Anthony (University of Udine) on behalf of ATLAS Outreach Team

# COMMUNICATING ATLAS: ADAPTING TO AN EVER-CHANGING MEDIA LANDSCAPE



#### THE NEED TO ADAPT

- An essential component of the longterm success of scientific research is communicating the results and methodology to the wider public.
- The web and social media are the key platforms to engage publics with the ATLAS collaboration and its results.
- However, this is a constantly changing landscape. Traditional web-content strategies no longer effective.
   Adaptation is key to ensure our message reaches our target audiences.

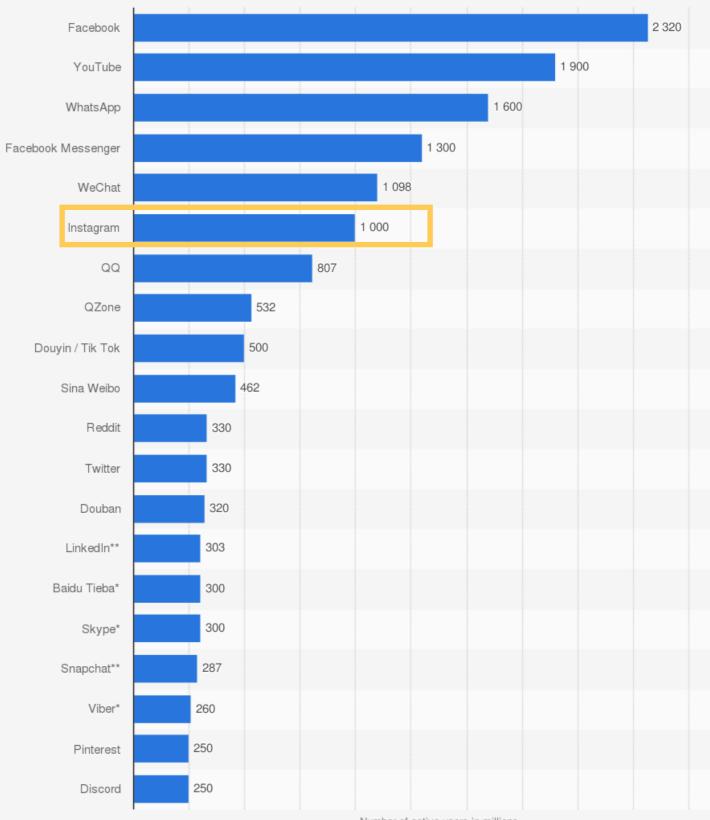




# SOCIAL MEDIA IS HERE TO STAY

- Of the 4 billion people active global internet users, 3.5 billion use social media. 2.3 billion of these users are on Facebook. 1 billion on Instagram. (April 2019, We Are Social/Statista).
- These numbers constantly growing most notably **Instagram**:
  - Instagram now the most engaged network after Facebook, gained 200 million new users since 2018 (largest growth of all platforms). (2018/9, We Are Social/Statista)
  - ▶ 71% of its 1 billion monthly active users on Instagram are under the age of 35. (2019, Statista)
- You cannot have a communication strategy without a social media strategy.

#### Most popular social networks worldwide as of April 2019, ranked by number of active users (in millions)



Number of active users in millions

#### Sources

We Are Social; Various sources; Hootsuite; DataReportal © Statista 2019

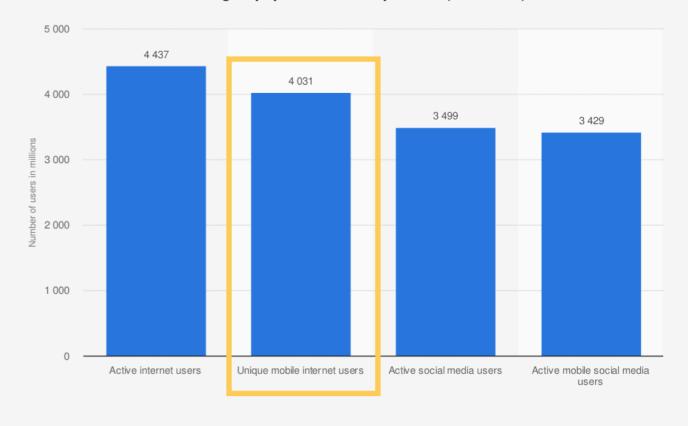
#### Additional Information

Worldwide; Various sources; DataReportal; as of April 23, 2019; social networks and messenger/chat app/vo

#### MOBILE USERS ARE WEB USERS

- Of the 4.4 billion active internet users,
   4 billion are accessing the internet using their mobile phones.
- Mobile devices are the main means of accessing the internet for global users, since 2017. (April 2019, We Are Social/Statista)
- The markets where mobile devices have the highest shares of internet use are geographically diverse:
  - mobile web traffic accounts for 60% of Asian consumption, but only 31% of South American consumption (Feb 2019, StatCounter)
- Mobile phone users can no longer be considered as an afterthought - they are becoming the primary audience.

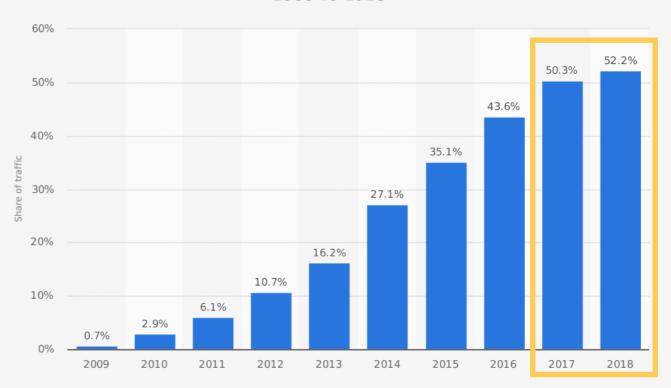
#### Global digital population as of April 2019 (in millions)



Sources
We Are Social; DataReportal; Hootsuite
© Statista 2019

Additional Information: Worldwide; DataReportal; April 2019

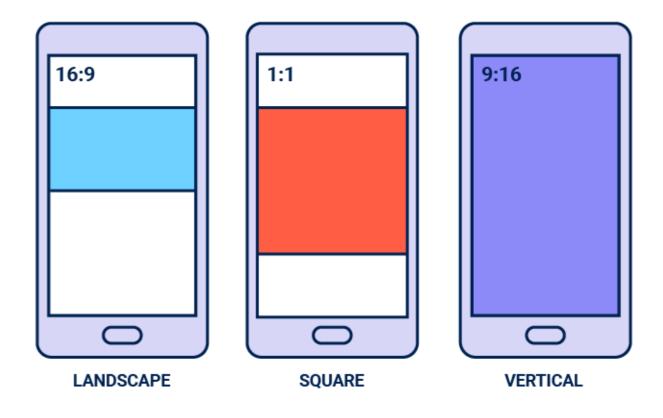
#### Percentage of all global web pages served to mobile phones from 2009 to 2018



Sources We Are Social; StatCounter © Statista 2019 Additional Information: Worldwide; StatCounter; 2009 to 2018

## THE SOCIAL CONTENT LANDSCAPE

- Content is being tailored to mobile users (with low attention spans):
  - Video consumption on mobile has increased 233% since 2013, and more than half of video views take place on mobile
  - 1:1 ratio videos and vertical videos are now the standard, as they take up more real estate in the News
     Feed on mobile devices
  - Content producers are staying on the platform, lowering the threshold for engagement by removing the need to click-through
- Easy access to users has led to overwhelming free content, with brands competing for views and clicks.



Social content: Keeps users on the platform, grabs their attention quickly and caters to the algorithm.



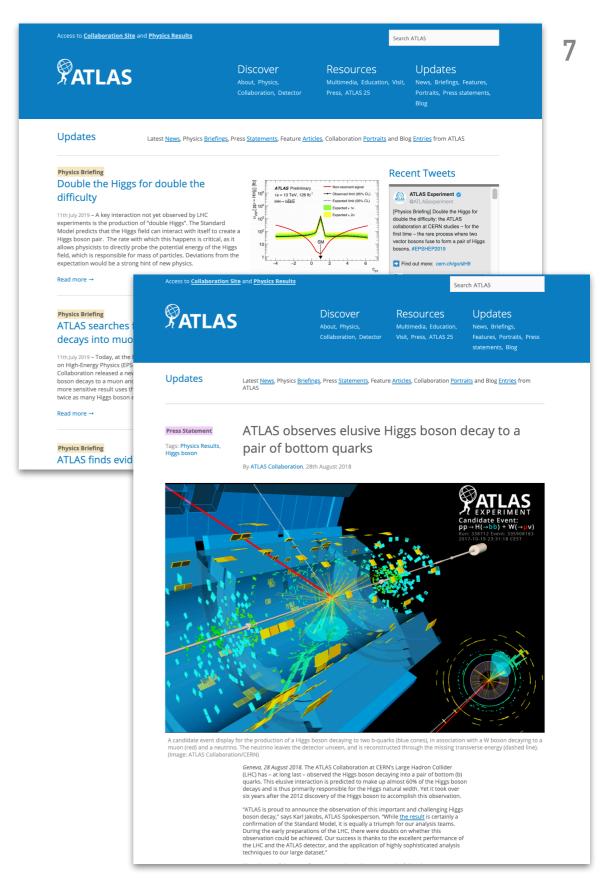
# ADAPTING THE CLICK CULTURE TO HEP

How can collaboration-led science communication adapt without losing the integrity of their messages?



## ATLAS PUBLIC CONTENT

- ▶ ATLAS public website remains the primary source for public content, with a mix of evergreen content and regular updates:
  - News Articles & Press Statements: broad, nonexpert audience with coverage driven by events.
  - Physics Briefings: results-driven coverage with higher-level, but still non-expert audience.
  - Features: long-form feature articles on key physics subjects aimed at a broad, non-expert audience but with educational angle.
  - Portraits: a series of interviews presenting collaborators whose contributions have helped shape the ATLAS experiment.
  - Blog posts: written by members of the collaboration, giving personal perspectives on ATLAS.
- ATLAS Social Media channels:
  - Facebook (29k), Twitter (87.5k), Instagram (12.9k)

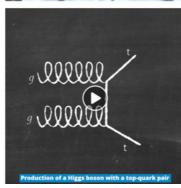




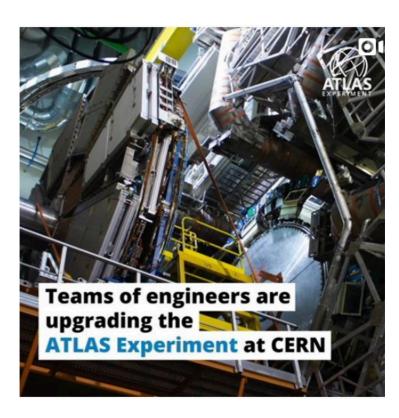










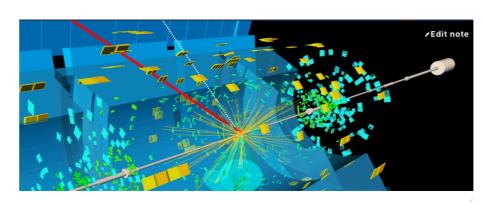


#### **CREATING SOCIAL CONTENT**

- > Since 2018, ATLAS Outreach has adopted strategy of creating social-media-specific content, released in conjunction with traditional communications.
- For both the Hbb and ttH Press statements, released short (1-3 minute) explainer videos to share results in social media friendly format.
- Content is concise with featured text to facilitate the viewing experience. (Full captions planned for future videos)
- Using clean, simple animations and animated plots to visualise the content.
- Aspect ratio of social media videos adapted, using 1:1 on Facebook/Instagram posts, and portrait in Instagram stories.

#### SPREADING ATLAS CONTENT TO MULTIPLE OUTLETS

- Phys.org: Physics Briefings published directly on the Phys.org news website, which has a large established user base.
  - Impact: Phys.org accounts for ±70% of all views of ATLAS Physics Briefings.
- Facebook Notes: Physics Briefings and Press Releases directly on the social media platform - of particular value for mobile users who remain on the application.
  - Impact: increased read-rate from Facebook by ±250%.
- Google News: see backup



Press Statement: ATLAS observes elusive Higgs boson decay to a pair of bottom quarks

ATLAS EXPERIMENT AT CERN · TUESDAY, 28 AUGUST 2018

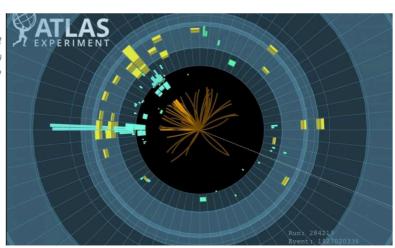
Geneva, 28 August 2018. The ATLAS Collaboration at CERN's Large Hadron Collider (LHC) has – at long last – observed the Higgs boson decaying into a pair of bottom (b) quarks. This elusive interaction is predicted to make up almost 60% of the Higgs boson decays and is thus primarily responsible for the Higgs natural width. Yet it took over six year after the 2012 discovery of the Higgs boson

"ATLAS is proud to announce the observa challenging Higgs boson decay," says Karl J "While the result is certainly a confirmation ( f y a T equally a triumph for our analysis teams. Du Our success is thanks to the excellent perforr ATLAS detector, and the application of high techniques to our large dataset."

the LHC, there were doubts on whether this ( Home » Physics » General Physics » July 10, 2018

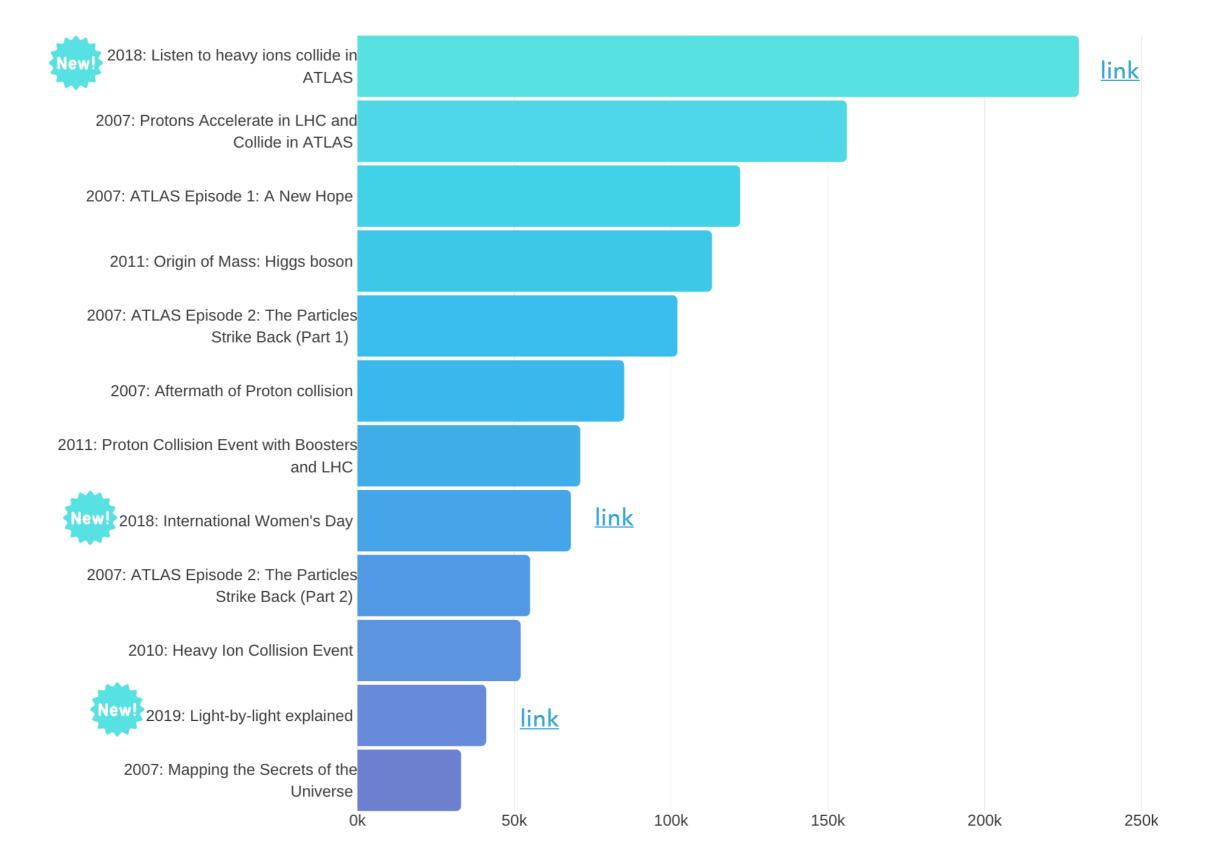
Higgs boson observed decaying to b quarks

This elusive interaction make up almost 60% of t decays and is thus primar for the Higgs natur



Event display for the H→bb decay analysis with the ATLAS detector. Credit: ATLAS

On 9 July, at the 2018 International Conference on High Energy Physics (ICHEP) in Seoul (South Korea), the ATLAS experiment reported a preliminary result establishing the observation of the Higgs boson decaying into pairs of b quarks, furthermore at a rate consistent with the Standard Model prediction.

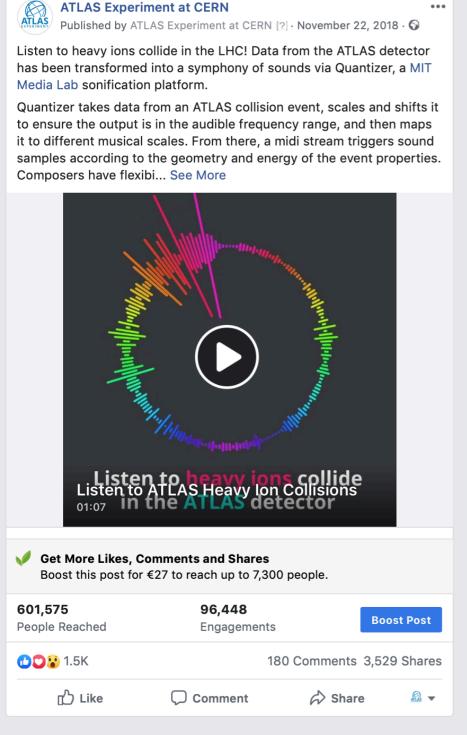


## SUCCESS OF SOCIAL VIDEO CONTENT



#### **EXAMPLE CONTENT: LISTEN TO HEAVY IONS COLLIDE**

Performance for Your Post



<b>179,647</b> 3-Sed	cond Video Views	5
<b>17,059</b> Reactio	ns, Comments &	Shares i
<b>8,639</b> <b>(</b> ) Like	<b>1,160</b> On Post	<b>7,479</b> On Shares
1,505 C Love	<b>272</b> On Post	<b>1,233</b> On Shares
<b>107</b> <b>띁</b> Haha	13 On Post	94 On Shares
<b>1,320</b> <b>₩</b> Wow	<b>185</b> On Post	<b>1,135</b> On Shares
<b>8</b> <mark>⊋</mark> Sad	On Post	8 On Shares
5 • Angry	1 On Post	4 On Shares
<b>1,973</b> Comments	<b>229</b> On Post	<b>1,744</b> On Shares
<b>3,529</b> Shares	<b>3,529</b> On Post	<b>0</b> On Shares
<b>79,425</b> Post Cl	licks	
<b>15,638</b> Clicks to Play <i>i</i>	552 Link Clicks	<b>63,235</b> Other Clicks <i>i</i>
NEGATIVE FEEDBACK		
83 Hide Post	11 Hide All Posts	
O Report as Spam	1 Unlik	ce Page

video content since 2011 2018 video "Listen to Heavy Ions collide in ATLAS" gained 230k views across 3 social media platforms



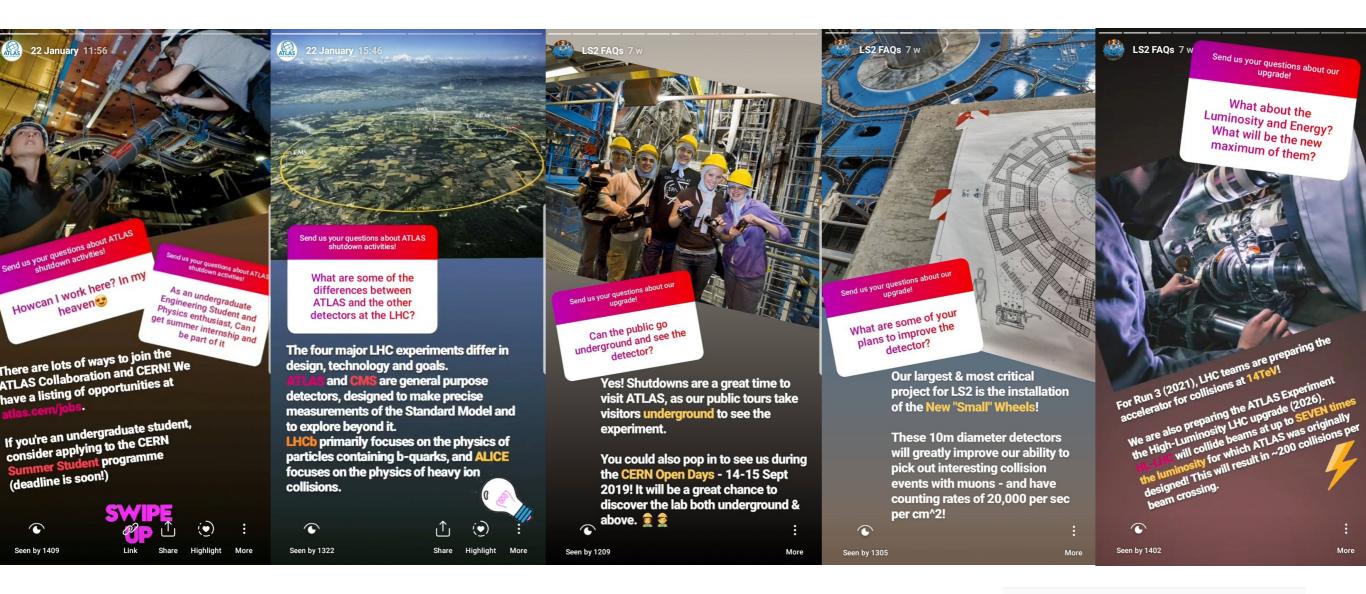
## **NEW SOCIAL ENGAGEMENT STRATEGIES**

New to 2019: use of <u>Instagram</u> stories & live for "Ask Me Anything" (AMA) engagement

- What are AMAs? AMAs are common & popular practice on business/politician/influencer Instagram accounts allowing for direct engagement with audience.
- Strategy? "Open asks" in an Instagram story, allowing users to send their questions directly to our account. We then pick the most relevant/interesting questions to answer, posting the reply publicly.
- Advantages? As questions are not public, audience tends to be more open & willing to engage!
- Impact: Significant improvement on engagement compared to other platforms - i.e.
   550% increase in number of questions on last Instagram AMA from last ATLAS-hosted FB live
- Very interesting insight into our audience!



### A FEW EXAMPLES!





#### **SUMMARY**

- ATLAS Communications has adopted a strategy of constant adaptation.
- New social content strategy has proved very effective so far.
- Remain open to new styles of social content (Instagram live) and new ways to engage with audiences (AMAs)
- Continue to create Social Media videos and publish Facebook notes, in addition to our in-depth videos and website link sharing.

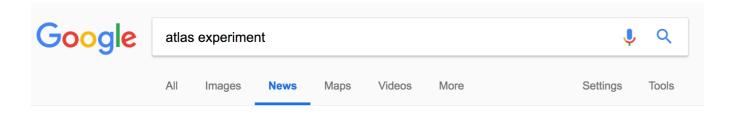


# ANY QUESTIONS?

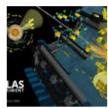
Contact: atlas-outreach-coordination@cern.ch



#### **BACKUP: ATLAS IN GOOGLE NEWS**



Since mid-2017, ATLAS News, Briefings and Press statements appear on Google News.



#### ATLAS starts new year of data-taking

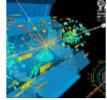
ATLAS Experiment at CERN - 30 Apr 2018

On 28 April, the **ATLAS Experiment** began recording the first c' 2018. This will be the final year of Run 2 operation of the Large



ATLAS Around the World: the faces behind the physics ATLAS Experiment at CERN - 10 Aug 2018

He is currently analysing data for the **ATLAS experiment**, sea events which may create two Higgs bosons, to gain insight into

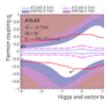


ATLAS observes elusive Higgs boson decay to a pair o ATLAS Experiment at CERN - 28 Aug 2018

Geneva, 28 August 2018. The **ATLAS** Collaboration at CERN's Collider (LHC) has – at long last – observed the Higgs boson ... LHC scientists detect Higgs bosons decaying into bottom quarks

Highly Cited - UC Santa Cruz (press release) - 28 Aug 2018

View all



Stronger together: combining searches for new heavy res ATLAS Experiment at CERN - 14 Aug 2018

The search for "new physics" is therefore an important componen **experimental** programme, where a number of analyses are ...

- Source ? google (direct) 3. news.google.com t.co facebook.com directory.web.cern.ch m.facebook.com login.cern.ch go.web.cern.ch googleapis.com
- This has allowed us to ensure that official voice is "heard" among multiple-outlet coverage of a story
- Google News referrals
   are the 3rd largest drivers
   of traffic to the ATLAS
   website in 2018

