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M E M O R A N D U M

To/A: J. Lefrançois, Chairman of the SPSC
 From/De: F. Brasse, NA9
 Subject/: Future Data Taking of the EMC
 Concerne

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Following our plans as outlined in the documents SPSC/80-80, SPSC/M 245 (4 Sept. 1980) and SPSC/81-83, SPSC/M 303 (4 Aug. 1981) and in my status report given to the SPSC on July 7th, 1981, the detailed running schedule, as we want to carry it out, looks as follows:

Time	Number of days	Number of μ /pulse	Energy [GeV]	Target
P1,82	34	$0,8 \cdot 10^7$	280	H ₂ /D ₂
P3,82	34	$0,8 \cdot 10^7$	{ 280 120	D ₂ D ₂ or H ₂
P4,82	34	$0,5-1,0 \cdot 10^7$	280(325)	Heavy
1983	~ 100	$\sim 4 \cdot 10^7$	280	Polarized
1984 } 1985 }	150-200	{ Continuation of streamer chamber running at 325 GeV and increase of statistics; continuation of heavy target measurements and of forward spectrometer measurements at 325 and < 120 GeV.		

For the first series of measurements with the streamer chamber (1981/82) we are aiming for 100K good events for each of the targets H₂ and D₂. This corresponds to the picture analysing power of the collaboration until late 1983. Up to now we have got 40K on H₂. With the above schedule we will probably not reach the aim, but will come close to it, if the SPS runs next year as efficient as it was during the period 7c of this year and if one changes to periods of 17 days of running. In this context it is furthermore important that the effective spill is increased beyond the present 1.5 sec.