Specification of Endresistor for Fast Ejection Kicker :

1. 12 or 13 Morganite-resistor-discs (ø 152 x 25.4, with porous discs between them, pressed together with 2 kg/cm^2. The 13th disc must be replaceable by an aluminium disc.

   Some Morganite discs may have to be internally machined and supported on spacers in order to adjust accurately the resistors value.

   The last elements on both ends should be porous discs.

2. The resistors are placed in a conical housing with the bigger opening to the feed-in side (diameter difference 50 mm)

3. As pluge are 2 HV - standard pluge (Type HPA 221-140) used.

4. There must be good electrical contact between the different elements of the housing.

5. No vetronite-shims are needed.

6. Between the last 2 resistor discs a set of small resistors (ø 8 x 18) with a BNC-connection is plugged in.

7. The resistor-discs with the fixation rod and the spring mounted on the end flange should be handled as a unit.

8. The resistor is filled with oil (max. 0.8 atm). The oilflow goes from inside the resistor discs through the porous discs to the outside.
   Before filling with oil vacuum is pulled.
   Oilfittings: 3/8" G.

9. The mounted position for the ring will be very likely vertical, cables downward. The mounted position for the lab can be horizontal or vertical.

10. Elements from the dump switch resistor should be used as far as convenient.

11. One element for test purposes is required.

12. Layout proposals should be made by middle of February.

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