

MINIBALL + T-REX ***(Coulex + Transfer)***

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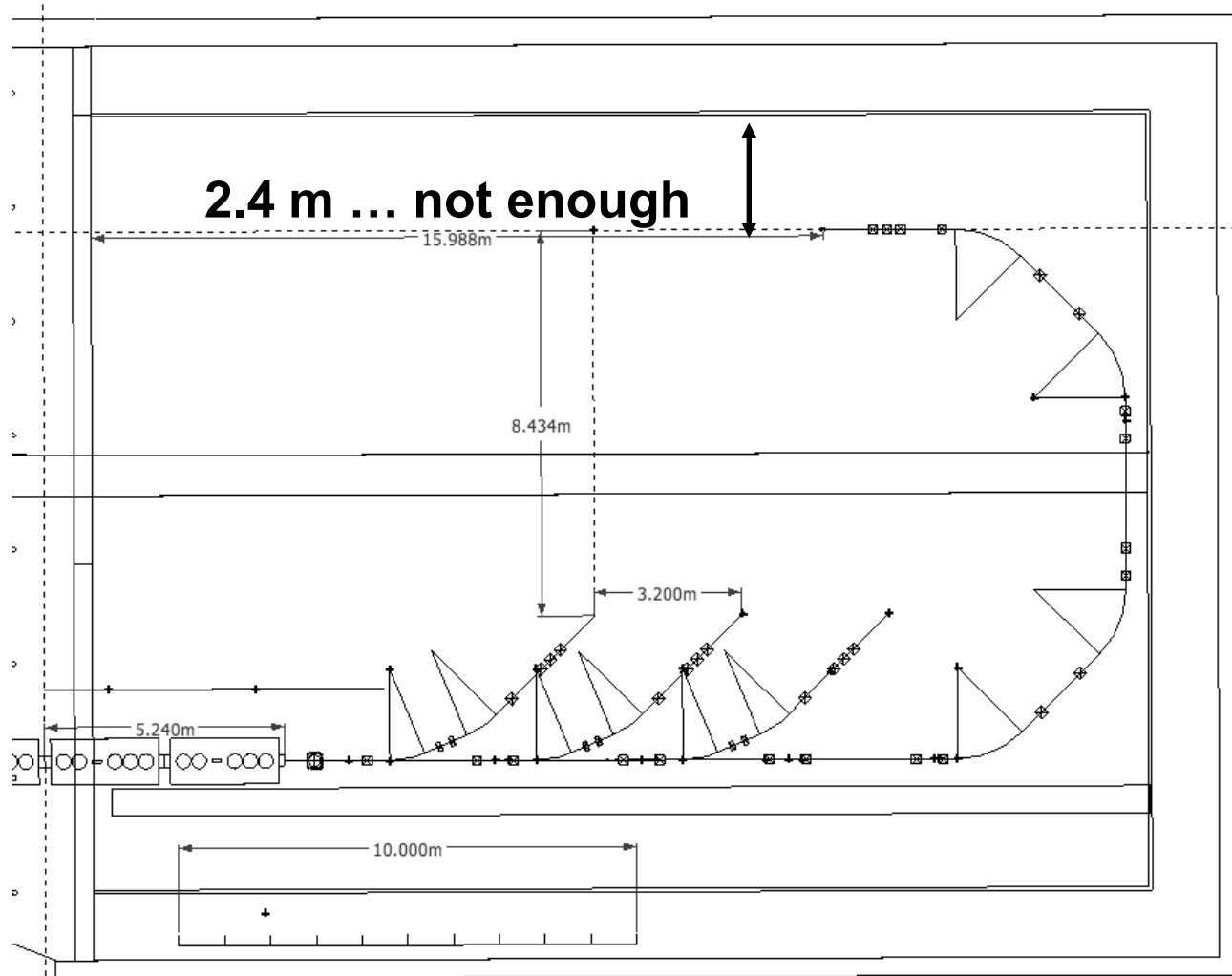


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... essentially we will use the existing set-up already optimized for the conditions at REX-ISOLDE developed in the last 10 years!

- **Slow extraction!!!**
 10^6 pps means up to 10^9 pps instantaneous rate
- **Beam spot size < 3 mm desirable**
Determination of particle angles
Doppler correction
Deposited radioactivity in chamber
- **Beam purity (as good as possible, of course)**
... depends on isotope
improvements more than welcome!!!!
- **Energy resolution as at REX is ok**

Floor space



Floor space / ancillary detectors



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MINIBALL: 7 m (width) x 10 m (last lense – beam dump)

Electronics/Control: 7 m x 9 m (5 racks, 2 cup boards, 3 tables)

needed 2 additional racks

new ancillaries: e-detection, plunger, beam dump

Max. distance MINIBALL/Electronics: 10 m

1. floor / platform ?

Preparing/Repair: 10 m x 4 m (4 tables, 5 cup boards)

needed additional 2 cup boards for ancillaries

Spectrometer / Separator ... space needed

(Partial) alternative: fusion veto ... operational (needs no extra space)

NO identification of beam impurities