Discussion round

eRIBs ’07

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Comparison I

- Comparison of possible yields
  - Have to make sure we are talking about the same thing: ions/s at experiment.
  - Number of ions in target, extraction, ionization, and re-acceleration.
  - Extraction depends on target geometry
  - Ionization depends on element
  - Charge breeding and acceptance of accelerator

Comparison II

- Comparison: how do we compare the present and future facilities (keep other slide in mind)
- Comparison has to include timescale
- Comparison of calculations with experiment? How to scale?

Technical aspects

- Technical aspects; targets, converter, e-machine.
- We need more than 10^{13} fissions /s…
- Power on converter, target? How much and how distributed?
- Shielding requirements
- …

Physics motivation

- R-process
- Structure….
- Does not produce heavy isotopes like Fr…
- Material science like beta NMR
- Radiotracers…