Heavy Ion Driver Model Update*

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Heavy ion driver model update

- **Currently modifying code to handle new variables (previously these were fixed parameters for each calculation)**
  - Ion mass, A
  - Total beam energy, E
  - Minimum pulse duration in accelerator, τ_A
- **Added unit costs for two options – near-term device (e.g., IRE) and long-term driver**
- **Improved emittance growth model – yet to be incorporated**
- **New chromatic aberration model – effects spot size on target**
- **Revised front end options (i.e., injector, matching section and initial acceleration up to 2-10 MeV) being developed by LBNL**
- **Should have some new results (cost vs. E for different ions and target types) by mid-January**