



BDS Pulsed Magnets EDR Planning

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BDS Pulsed Magnets Etc

- **Components**
 - Abort kicker pulsers and stripline magnets
 - Large and small dump sweeper pulsers and magnets
 - Abort septum magnets (DC power supply is standard)
- **Status**
 - Technical risk judged (by TSM) to be low
 - Cost estimates are crude, not bottom-up
- **Goals during EDR era**
 - Engineered designs for bottom-up cost & risk estimates
 - Maximize commonality with other abort systems
 - Himel's list asks for much better-than-historical reliability



Reaching the Goals

- **Pulsed mags etc are on Andrei's WP wish list**
- **Needs engineering, not accel physics**
 - Paper designs probably OK for cost and technical
 - Hardware needed if we're serious about higher reliability
- **Concerns**
 - Won't be easy to find the engineering bodies or \$
 - Will have to solicit the labs and explore funding mechanisms
 - May be easier to solicit for hardware projects than paper ones
 - Organizing WPs by area is not ideal for commonality
 - Perhaps gentlemen's agreements between area managers