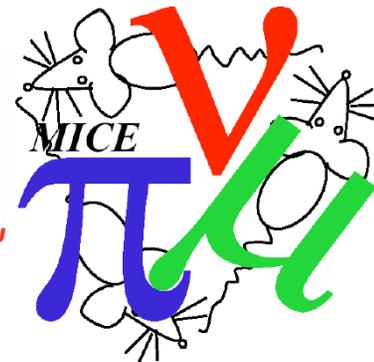


MICE NSF funding and Relations with D0

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vMC Friday Meeting
Fermilab
5 Aug. 2005

NSF Funding Update

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 - Major Research Instrumentation (MRI) proposal

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- Good news!...
- Both acted on this year:
 - “base” grant recommended for award at \$100k/y for 3 y
 - nominal start date 8/1/05 ⇒ award expected at IIT any day now
 - MRI grant recommended for award at \$750k
 - nominal start date 10/1/05
 - expect spendable over 3 y

Relations with D0

- MICE needs ≈ 25 AFE-IIIt boards (incl. spares) and ≈ 8 VLPC cassettes to instrument the SciFi trackers
 - AFE-IIIt now under development by and for D0
 - prototype board delivery in \approx couple weeks
 - production run expected \approx early '06
- $\Rightarrow \exists$ opportunity to “piggyback” off D0 effort
- Negotiations w/ D0 mgmt. started:
 - we've agreed that MICE will assemble & staff one AFE-IIIt test stand (of 4 total)
 - will require up to ≈ 3 FTE of physicists+students+techs starting in Fall '05
 - stand can presumably go to RAL once D0 testing done
 - Cooperation already begun (see Amit's talk)
 - Budgetary implications for MICE of D0 effort yet to be worked out