

**TOC**

**Advanced Methodologies for radiation-tolerant sYSTEMs (AMETHYST) ..... 2**

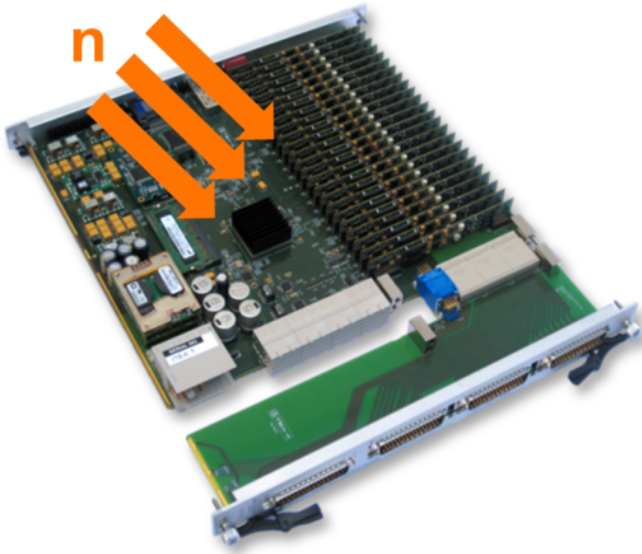
**Links ..... 2**

Other pages:

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## Advanced Methodologies for radiation-tolerant sYSTEMs (AMETHYST)

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- Non radiation hardened COTS products, based on SRAM FPGAs
  - Minimize radiation immediate effects (SEU) and transient effects
  - Functional & performance monitoring through system life-cycle to diagnose long-term effects
- Implement in high-availability ATCA systems
- Perform functional testing on irradiation testing facility

### Links

[http://en.wikipedia.org/wiki/Radiation\\_hardening](http://en.wikipedia.org/wiki/Radiation_hardening)