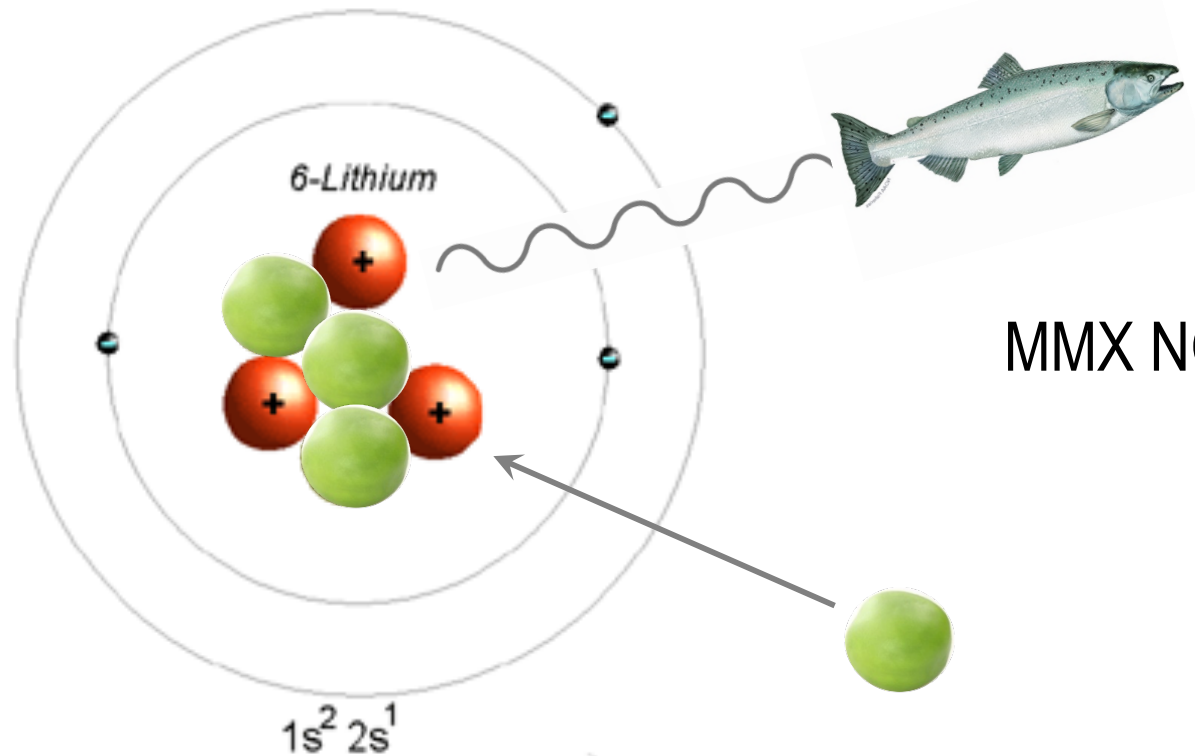




The MMX Neutron and Gamma-Ray Spectrometer PEA



Tom Statler
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Schedule

MMX NGRS PEA I
Preproposal
Teleconference/WebEx

MMX NGRS PEA release	March 22, 2017
Preproposal Teleconference/Webex	April 17, 2017
NOI due date (Required)	April 28, 2017
Last date for submission of questions	June 6, 2017
Proposals due	June 20, 2017

Additional information at the MMX NGRS Acquisition Homepage:

<https://soma.larc.nasa.gov/mmx>



Important Aspects of PEA I

MMX NGRS PEA I
Preproposal
Teleconference/WebEx

PEA I solicits development and fabrication of an integrated neutron and gamma-ray spectrometer (NGRS).

- No other type of instrument is solicited.
- Proposals involving other types of instruments are not responsive to the AO.



Important Aspects of PEA I

MMX NGRS PEA I
Preproposal
Teleconference/WebEx

PEA I solicits not just the NGRS instrument, but *full science investigations* making use of the NGRS.

- Proposals shall address appropriate science questions relevant to the MMX science objectives.
- Each proposal shall define its science question or questions, demonstrate how the science questions map into high-level science requirements, and show how the science requirements map into the measurement and instrument performance requirements.
- Instrument performance specifications in the Proposal Information Package (PIP) are intended only as examples or suggestions. However, resource allocations in the PIP are definitive.



Important Aspects of PEA I

MMX NGRS PEA I
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For PEA I, only U.S. organizations are eligible to propose as the sole or lead organization.

- Non-U.S. organizations may participate as non-lead organizations collaborating with U.S. leads, under the rules described in Section 5.8 of the SALMON-3 AO.



Important Aspects of PEA I

MMX NGRS PEA I
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There is no explicit cap on the Phase A – D portion of the PI-Managed Mission Cost (PIMMC).

- NASA funding for the selected investigation is expected to be \$15M to \$20M RY for the Phase A – D portion of PIMMC.
- Proposals shall be for complete investigations including Phases A-F.
- Proposals shall include detailed plans and budgets for Phases A-F for costs that are within the PIMMC.



Important Aspects of PEA I

MMX NGRS PEA I
Preproposal
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No enhancements; i.e., the following are not permitted/offered in this PEA:

- Education Program
- Communications and Outreach Program
- Student Collaboration (SC)
- Science-Exploration-Technology Enhancement Option (SEO)



Important Aspects of PEA I

MMX NGRS PEA I
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The MMX NGRS is a NASA instrument being flown on a JAXA spacecraft.

- There are similarities with Partner Missions of Opportunity (PMOs). Some, but not all, of the same requirements apply.
- NASA processes and standards are to be followed, but hardware must be consistent with JAXA interfaces.
- The selected project will be subject to the NASA lifecycle review process.
- The selected team will participate in JAXA lifecycle reviews, but the intent is that the JAXA and NASA reviews will inform each other and work will not be needlessly duplicated.



Stay Aware

MMX NGRS PEA I
Preproposal
Teleconference/WebEx

Notices Regarding the MMX NGRS PEA

- **Watch for notices on MMX NGRS Solicitation Page in NSPIRES**
<https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={15A0737B-EA4B-6B41-CA28-C3DEBE6C719B}&path=open>
- **Watch for notices at the MMX NGRS Acquisition Homepage**
<https://soma.larc.nasa.gov/mmx>
- **Check and review the Q&As often as new ones are added periodically**
<https://soma.larc.nasa.gov/mmx/mmx-qas.html>



Questions for Clarification

MMX NGRS PEA I
Preproposal
Teleconference/WebEx

All questions pertaining to the MMX NGRS must be addressed to:

Dr. Thomas Statler
MMX NGRS Program Scientist

Preferably by email at:

thomas.s.statler@nasa.gov

Subject line to read “MMX NGRS”

Or by mail (not recommended) at:

Science Mission Directorate

NASA Headquarters Mail Code 3E46

300 E Street SW

Washington, DC 20546-0001