

# LENA for VESPER Discussion Notes

- Everything the same *except*:
- FOV expansion? No
- C sensitivity? Yes
- Aperture? No
- Optics Steering Bias Control? Maybe, but if so how?
  - Change side of stack?
  - Sputter separation?
  - Energy range extension?
- CPRejector plate material? Yes
- Optics HVPS range? Maybe
- CS radius? Maybe
- Foil thickness optimize? Yes
- Design in redundancy? Yes
  - Long term mission
- Separate facet supplies? Maybe
  - Separate CFDs? Yes
- Increase grid spacing? Yes
- Wedge and strip imaging? Maybe
- Flexboard design for handling?
- Replace A111 -> A121 for reliability.
- Coating revisions? Gold black?
- Molecules?
  - Double hit ID? APL?
- Schedule?
  - Incredible shrinking
- CS research? Ubern
  - CVD Diamond
  - MgO backup
  - Other?
- Roles
  - CPRejector GSFC
  - CSurf Assy GSFC
  - XL and ESA/SC LM
  - TOF Optics/Anode GSFC
  - Packaging GSFC
  - Electronics
    - HVPS GSFC
    - TOF Logic APL
    - C&DH GSFC

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