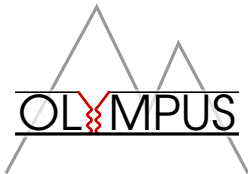


# Slow Control / Vacuum / Target

Jan C. Bernauer



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Massachusetts Institute of Technology

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- Wishes?



# Target vacuum system

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- One pump died during synchrotron operation
  - Did not trip HW-interlock (pressure too good).
  - Noticed by bad beam lifetime.
  - Fix: Close valve.
  - Added second level SW-interlock.
- Pump will be replaced in June service week.



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  - Countrate estimates wrong? → Different calculations give similar answer.



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- Gas “lost” inside vacuum chamber.
  - Not visible on pressure readings.

# Leak?

- Inspection of replacement cells
  - One likely candidate: Connection between cell inlet formed by foil and aluminium bracket.
- Will inspect and try to fix in June service week

