**Survey on detectors needs at PSI**

|  |  |
| --- | --- |
| Application/beamline |   |
| Responsible person |   |
| Current detector |   |
| New detector required? When? |   |
| 1D/2D |   |
| Energy range |   |
| Energy range with single photon sensitivity |   |
| Field of view (cm x cm) |   |
| Number of strips/pixels (nx x ny) |   |
| Pitch (µm) |   |
| Maximum frame rate (Hz) |   |
| Maximum flux (ph/s/mm2) |   |
| Maximum acceptable data throughput (TB/day) |   |
| Time resolution (e.g. gating) |   |
| Energy resolution |   |
| Vacuum / Helium |   |
| Temperature range |   |
| Other requirements |   |
|   |   |
|   |   |

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