**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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