Most challenging beams planned for 2014 – GUI Feb 2014

| yie | ld | Yield ? | purit Y | Yield/ purity | Yield? | Yield/ purity | Yield/ purity | Yield/ purity | Yield/ purity | purity |
|---|---|------------|------------|------------------|---------------|------------------------|------------------|--------------------|--------------------------------|---------|
| 31- | -33Ar | 37K | 56Co | 114- 118Ba | 150- 152Cs | 76-79Cu | 121- 136Sn | 129-132Cd | 211-212Po 211-213Tl | 46-48Ar |
| Ca | C | Ti | ZrO | LaC | UC | UC-conv | UC- conv | UC-quartz- conv | UC-LIST- quartz | UC-CP |
| Development done, To run in 2 weeks Finally not scheduled, VADLIS an option? To start this week | | | | | eeks iled, | ↑ Finally schedu | | | nally not sch ork on LIST i | - |
| over | A few 31Ar/s in IDS – stable over >7 days, Physics aims probably achieved | | | | | | | | | |

Schedule in December

Other difficult beams accepted in 2014

| Exp/ prop | INTC | beam | setup | comments | RILIS |
|--------------|--------|------------|--------------|---|--|
| IS532 | Feb-14 | Sc | ISOLTRA P | Yield increase x400 by RILIS is a very rough estimate. To be checked in off-line test. Slow release of Sc from Nb target was reported by TRIUMF. Online TISD required. | No Sc isotopes released from UC target and mass marker |
| IS456 | Feb-14 | Po- | Windmill | LIST improvement is needed | |
| IS537 | Feb-14 | Hf | IDS? | Vadis, possible – to be put in GUI | |
| I-157 | Jun-14 | 221, 223At | IDS | Negative ion source should be tested 1 st : (can provide very pure beams and is also requested by an accepted LOI). Or RILIS + quartz line – development needed | |
| IS575 | Jun-14 | Br | NICOLE | negative ion source | |
| | | | | check that contaMINATION is not too high for | RILIS + LIST or low-work |
| P-419 | Nov-14 | 132Sn | Miniball | - | function to test? |
| P-421 | Nov-14 | 136Te | Miniball | TISD: Ucx+LIST+n-conv+RILIS | Development possible |
| P-422 | Nov-14 | 156-168Yb | Miniball | beam purity not certain | Yes |
| P-423 | Nov-14 | 72Se | Miniball | Test with REX-trap needed | Difficult / No |
| P-429 | Nov-14 | 130-134In | Miniball | would profit from new n-conv | Yes |