

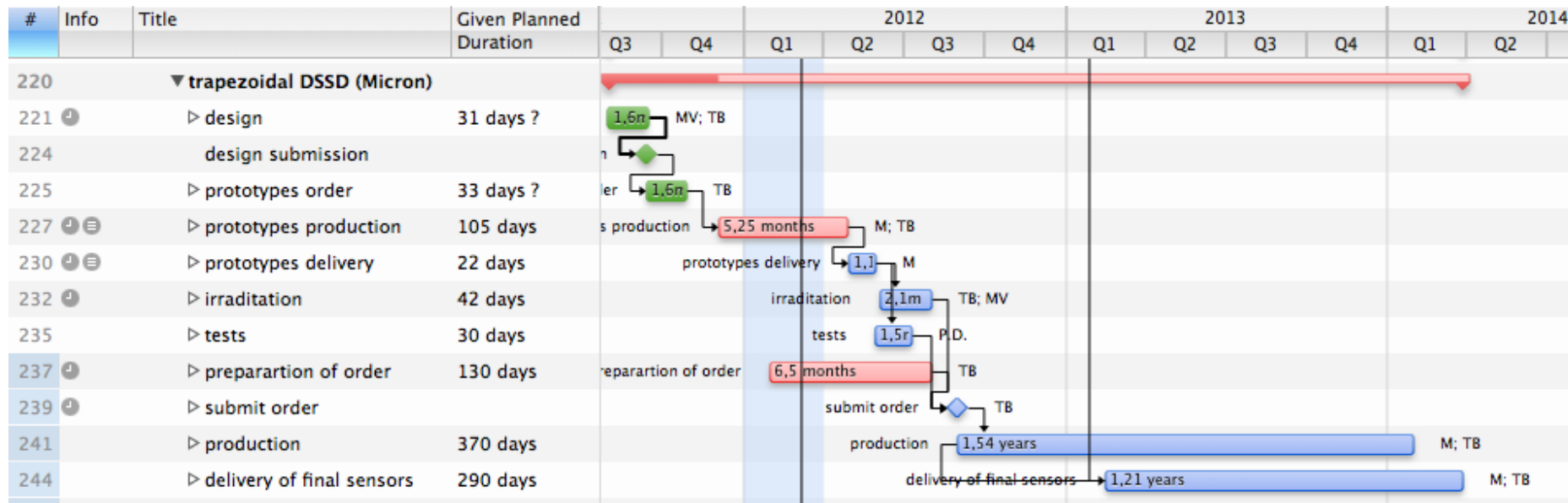
Status of trapezoidal Micron DSSDs

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Schedule

- P-stop layout has shown to be not optimal (*see next talk*)
- New layout designed with three masks changed
 - P-stop (n-side)
 - Metal (p-side)
 - Passivation (p-side)
- Submitted to Micron; new masks already at Micron fab
- Production of 3-5 pcs DSSD scheduled next
 - Due to summer this year-> testbeam/irradiation
- Full order (60 pcs) to be submitted in autumn this year
 - If testbeam/irradiation do not reveal problems

Schedule as Gantt Diagramm



- Critical path: prototype production must be ready before beam test
 - CERN: no SPS schedule yet available for 2012
 - Gamma-irradiation not yet booked

Preparation of order: evaluate possibilities

- Pay sensors through
 - Vienna (money available)
 - CERN
 - KEK
- Ship sensors to:
 - Vienna (20% VAT)
 - CERN (0% VAT)
 - KEK (~5% VAT)
- All other options need money to be transferred
- What is **legally** the correct way to order sensors which will be tested/assembled in Vienna/Melbourne/Tata/... with final destination Japan
- How to get sensors shipped avoiding customs tax?

Summary

- Masks for final trapezoidal design are at company
- 3-5 pcs of DSSD to be tested as “milestone” before full production
 - beam-test at CERN and
 - Gamma-irradiation in summer 2012
- Discussion about logistics and legal issues during shipments need to be started soon
 - Influences decision on shipment place for sensors