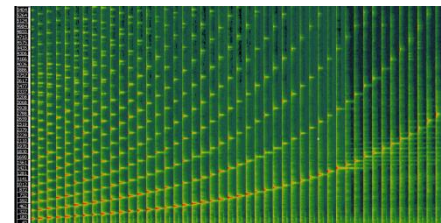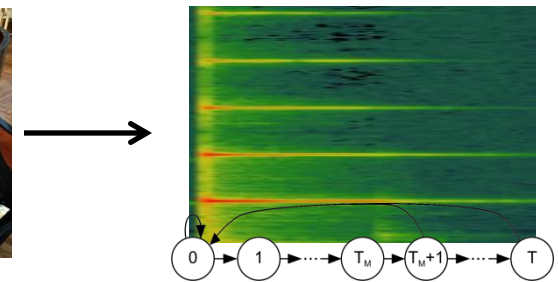# Music Transcription in the Studio

Concept: Exploiting Strong Prior Knowledge Available

- Production specific:
  - Acoustic properties of recording environment (microphones, amplifiers, room)

- Instrument-class specific
  - Signal models adapted to the specific sound production process of a class of instruments

- Instance specific
  - Acoustical prior knowledge about the specific instrument or performance (e.g. learning from individual notes and performance sub-parts)

Result: Drastically increased model accuracy