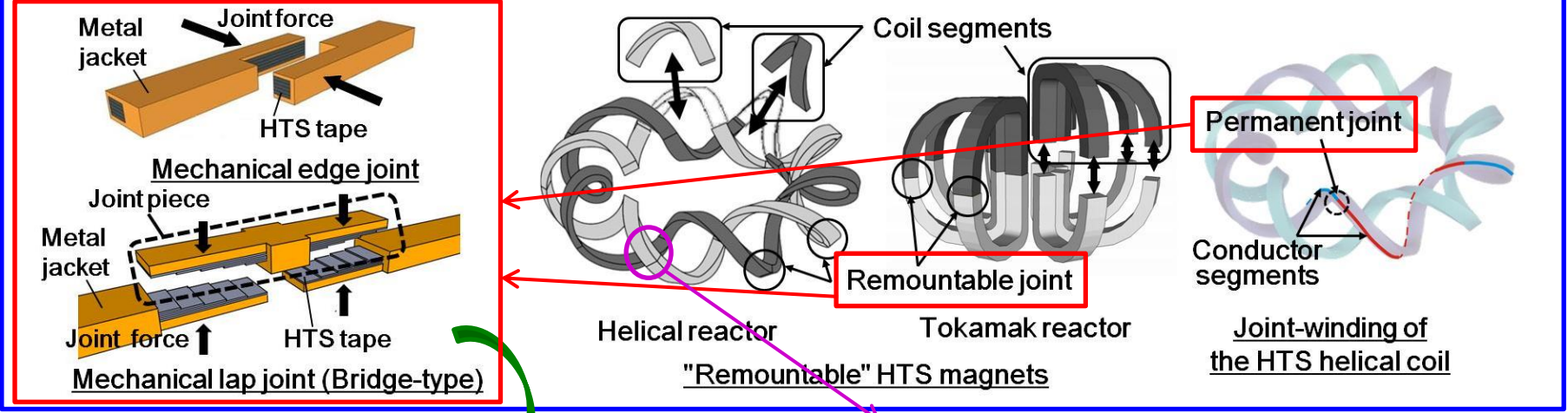


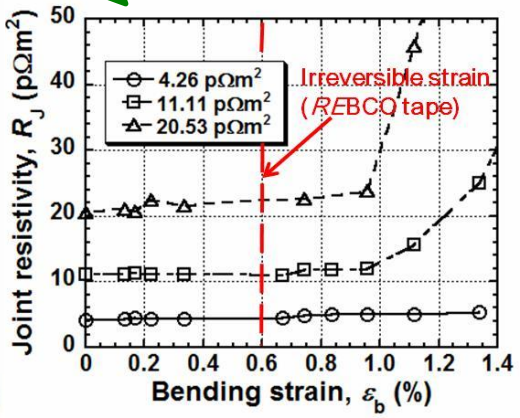
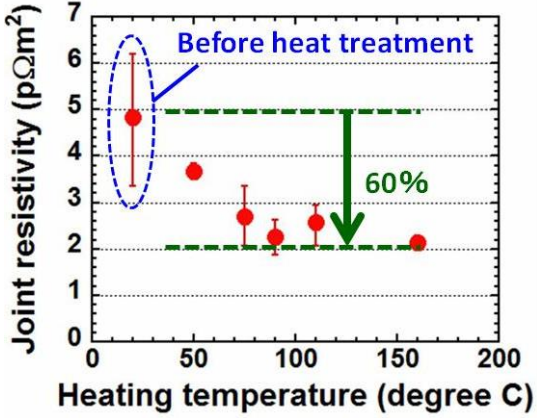
# Development of Remountable Joints and Heat Removable Techniques for High-temperature Superconducting Magnets

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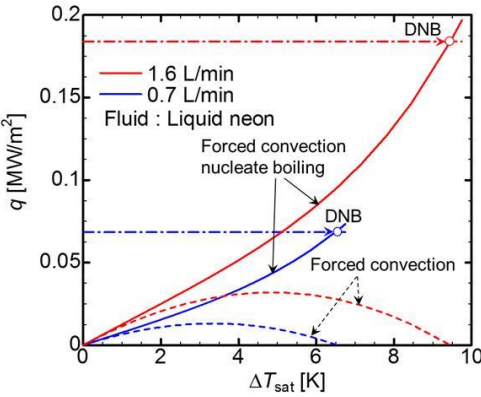
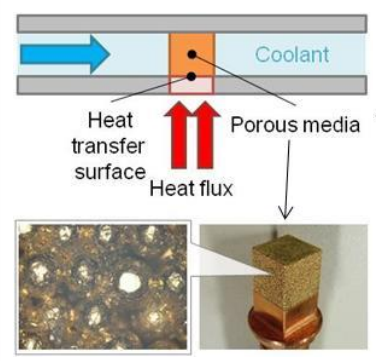
## Innovative design for superconducting magnet, "Segment-fabrication"



### Mechanical joints



### Local heat removal with porous media



- Heat treatment → reduce joint resistance and its dispersion
- Bending strength (Joint) > Irreversible strain (REBCO tapes) → can fabricate curved joint by "joining-then-bending"
- New heat transfer correlation was established → can predict heat transfer performance (needed for thermal stability analysis)