Critical Current Density (A/mm², 4.2 K)

Applied Magnetic Field (T)

- YBCO: B || Tape Plane
- YBCO: B ⊥ Tape Plane
- 2212: Bi-2212: B || Tape Plane
- 2223: Bi-2223: B ⊥ Tape Plane
- Nb₃Sn: Internal Sn RRP®
- Nb₃Sn: High Sn Bronze
- Nb-Ti: LHC 38%SC
- Nb-Ti: Maximal Jₑ for entire LHC Nb-Ti strand production (CERN-T. Boutboul '07)
- Nb-Ti: Maximal Jₑ at 1.9 K for entire LHC Nb-Ti strand production (CERN-T. Boutboul '07)
- MgB₂: AIMI 18 Filament
- Compiled from ASC'02 and ICMC'03 papers (J. Parrell OI-ST)
- Extracted strand from Iseult/NUMAC MRI cable (Kanithi-Luvata)
- 55×18 filament B-OST strand with NHMFL 50 bar Over-Pressure HT. J. Jiang et al.
- "High-Jₑ" RRP® Nb₃Sn
- 18 Filament (39% Filament in C) MgB₂/Nb/Cu-Ni/Monel (The OSU/HTRI SuST 2013)
- 4543 filament High Sn Bronze-16wt.%Sn-0.3wt%Ti (Miyazaki-MT18-IEEE'04)

April 2018
References
YBCO: Tape, || Tape-plane, SuperPower. REBCO: SP26 tape, 50 μm substrate, 7.5%Zr. Measured at NHMFL by Valeria Braccini, Jan Jaroszynski and Aixia Xu: http://dx.doi.org/10.1088/0953-2048/24/3/035001
YBCO: Tape, ⊥ Tape-plane. REBCO: SP26 tape, 50 μm substrate, 7.5%Zr. Measured at NHMFL by Valeria Braccini, Jan Jaroszynski and Aixia Xu: http://dx.doi.org/10.1088/0953-2048/24/3/035001
Bi-2223: B || Tape plane: Sumitomo Electric Industries. Measured at NHMFL (D. Abraimov) unpublished
Bi-2223 (Carrier Controlled): B ⊥ Tape-plane "Di" BSCCO "Carrier Controlled" Sumitomo Electric Industries (MEM’13 presented by Kazuhiko Hayashi).
Bi-2223 (2012 production): B ⊥ Tape-plane "Di" BSCCO (measured at NHMFL by Jianyi Jiang and Dmytro)
2212: OST NHMFL 50 bar overpressure HT. Sample pmm170123, 0.78 mm Diam. (after HT), OST 55x18 composite
doi: 10.1109/TASC.2006.870777
Nb-47Ti 1.8 K 5-8 T Maximal for whole LHC NbTi strand production (CERN-T. Boutboul '07)
doi: 10.1109/TASC.2004.830344
MgB₂: 18 Filament - The OSU/HTRI C 2 mol% AIMI ("Advanced Internal Mg Infiltration") 33.8 Filament to strand ratio, 39.1% MgB₂ in filament. (http://dx.doi.org/10.1088/0953-2048/25/11/115023)

Links to ASC, MT and ICMC Proceedings can be found on the conferences page.