

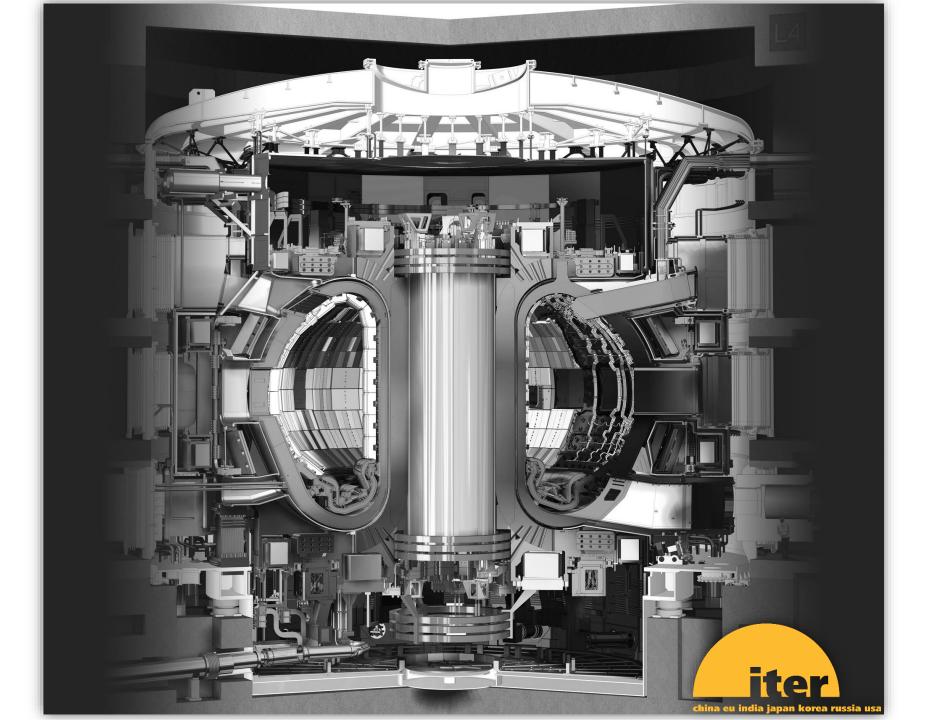
ERICH SCHMID INSTITUTE OF MATERIALS SCIENCE

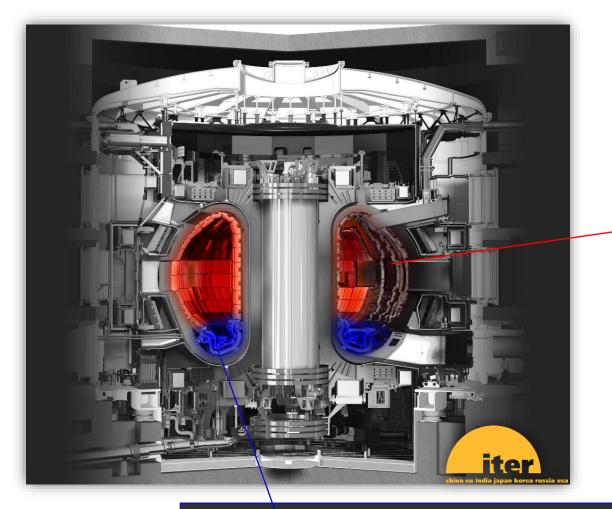
FRACTURE TOUGHNESS AND MICROSTRUCTURAL STABILITY OF HEAVILY DEFORMED TUNGSTEN MATERIALS

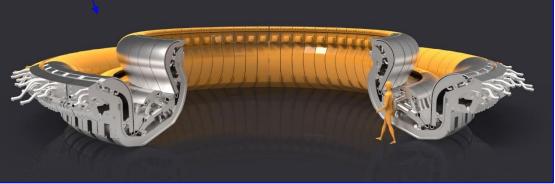
Vladica Nikolić

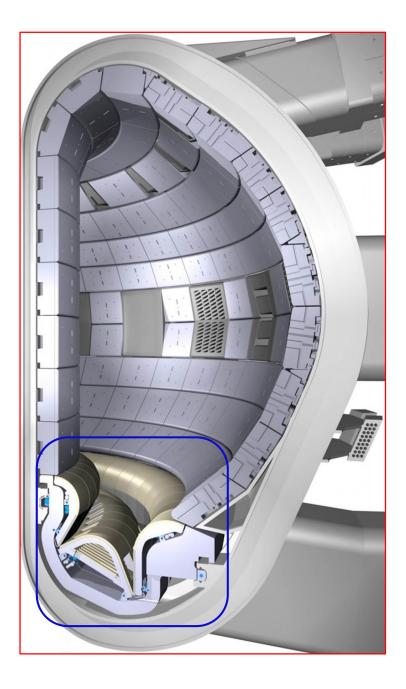






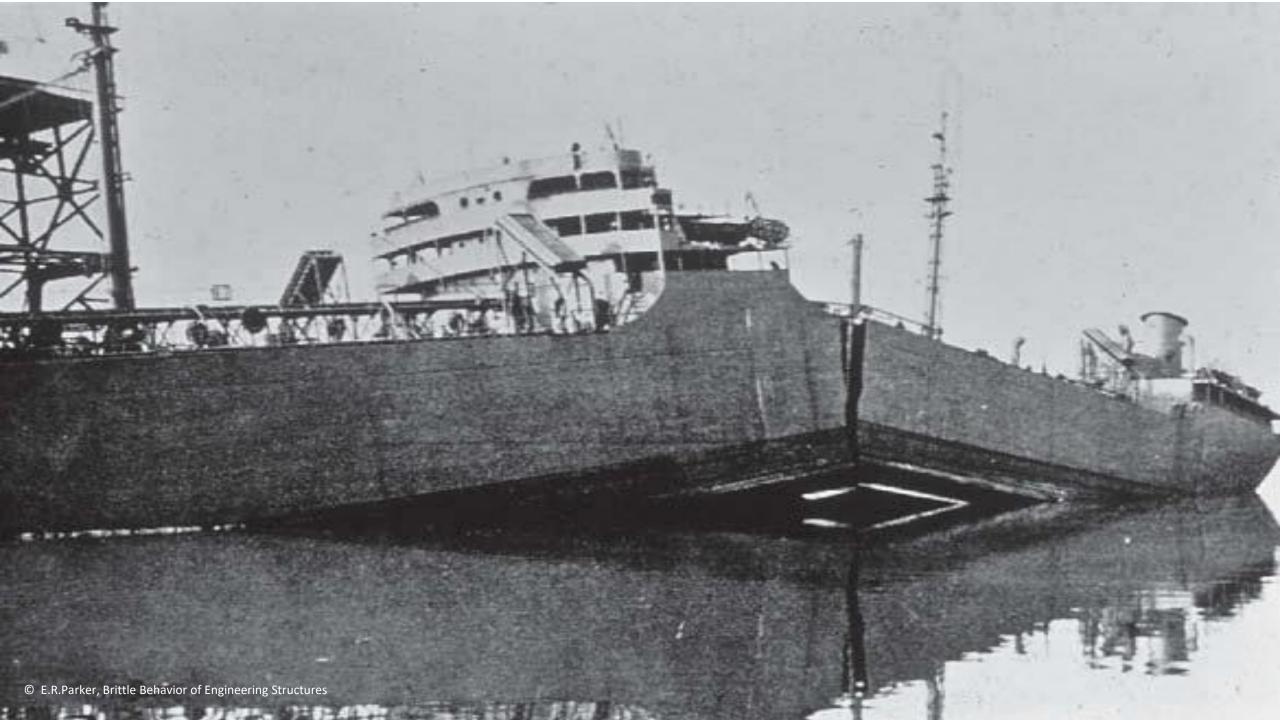


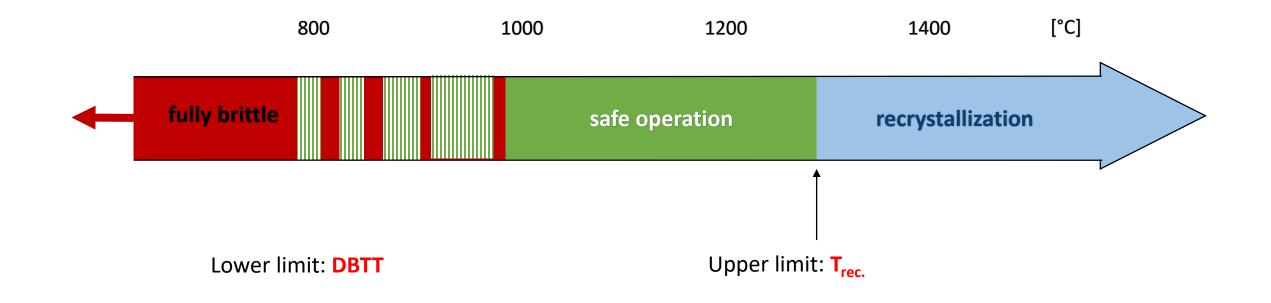


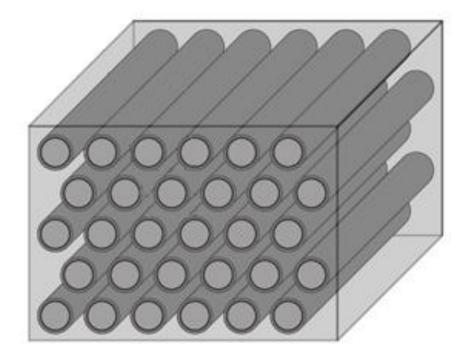


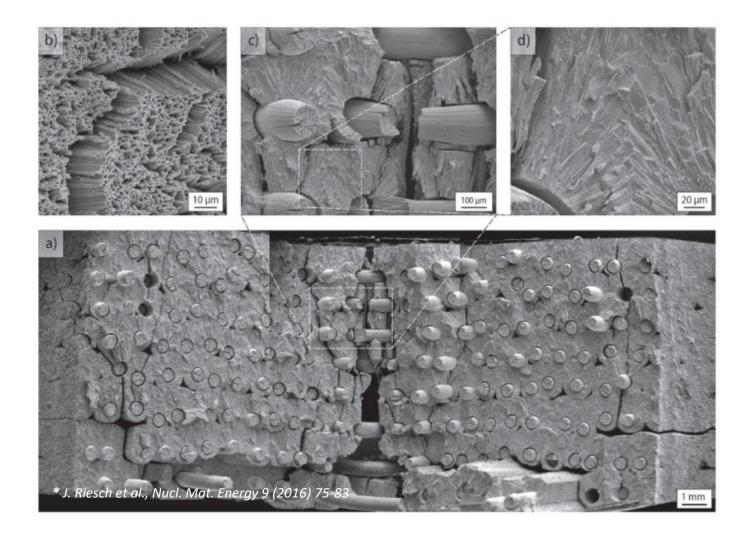


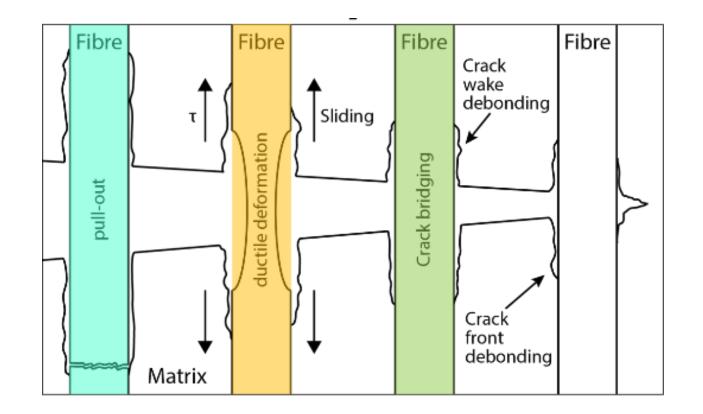


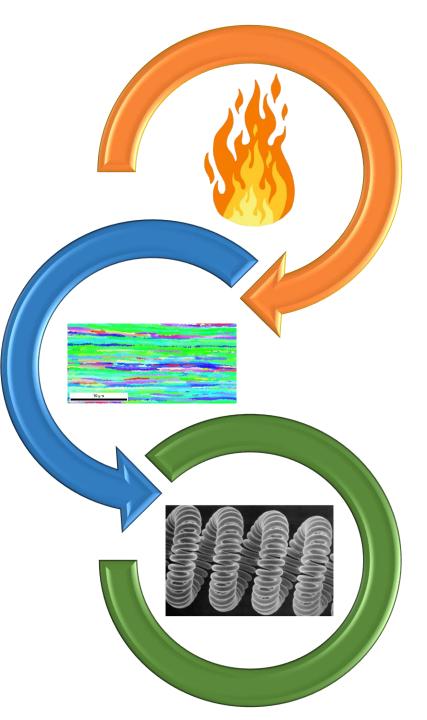


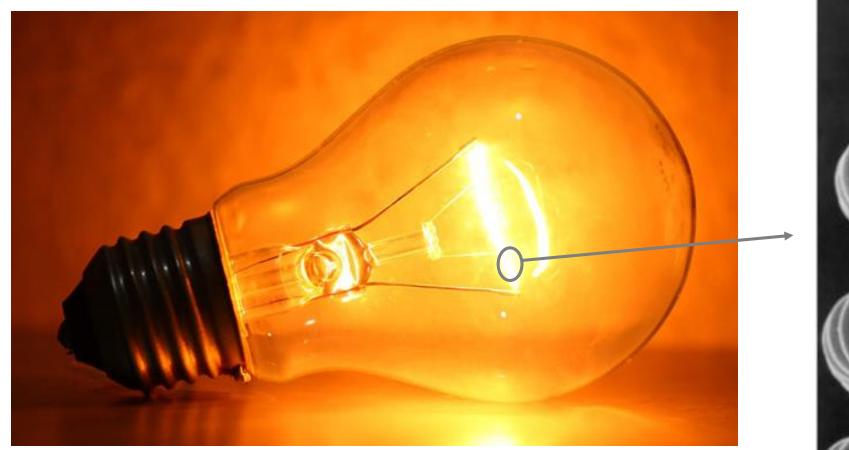


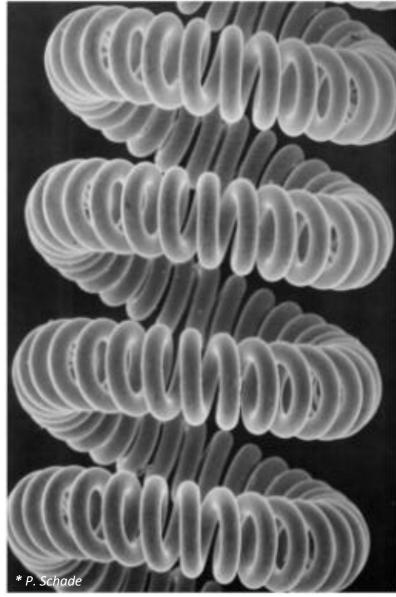


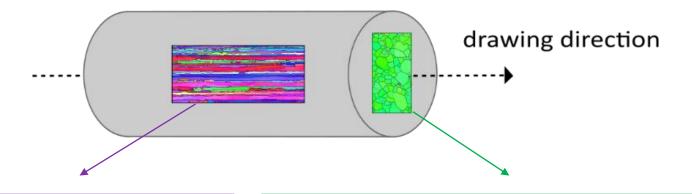


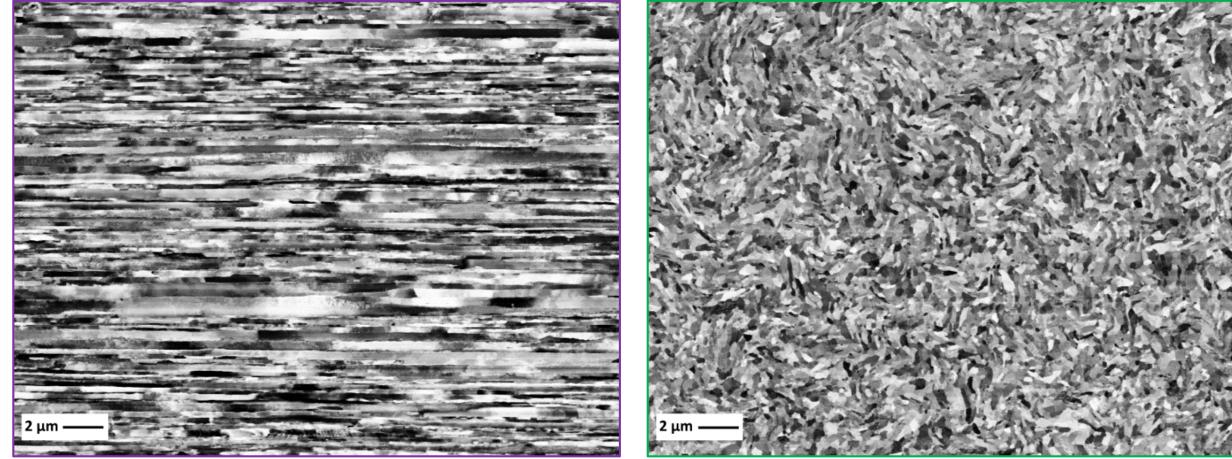


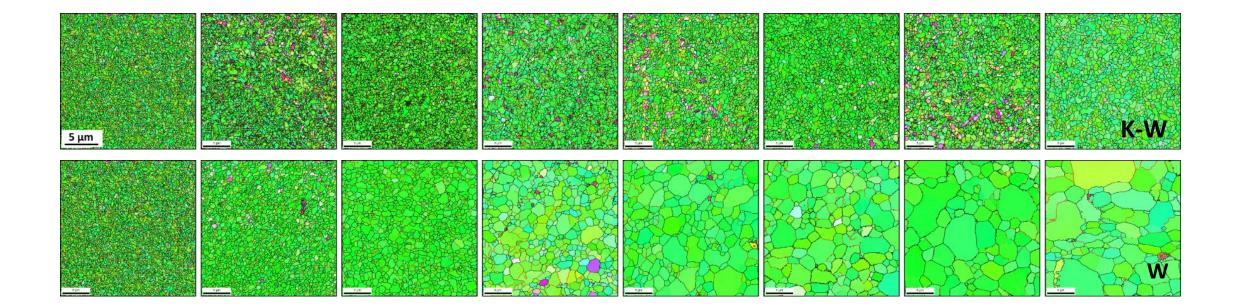














as received

900°C

1100°C

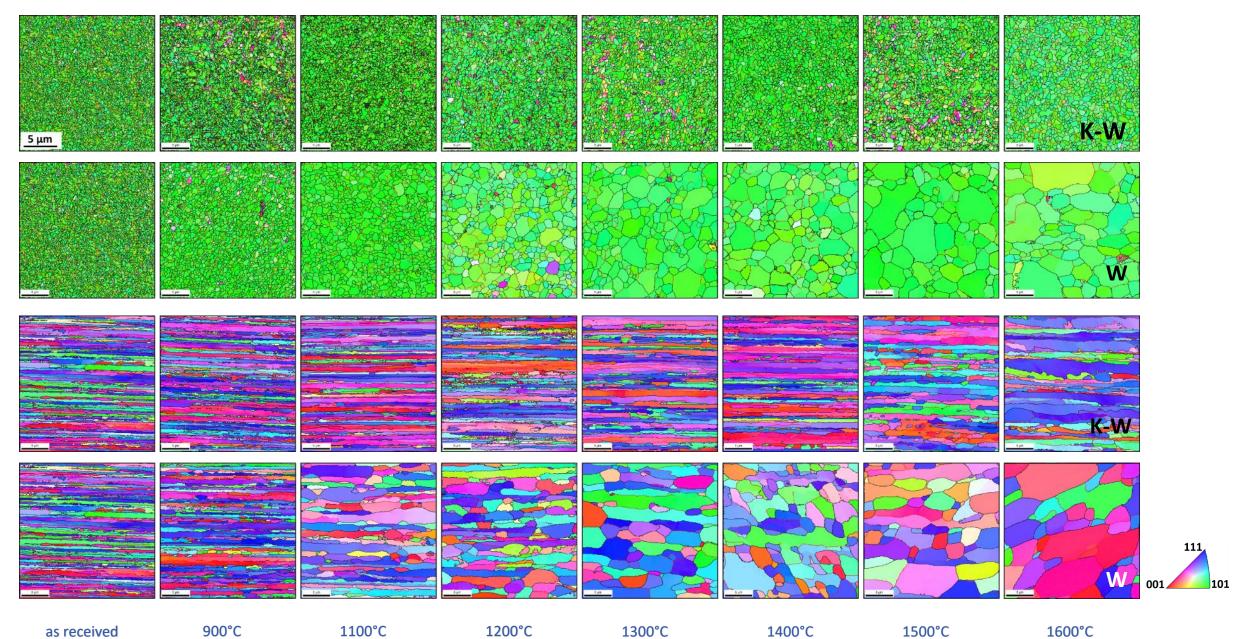
1200°C

1300°C

1400°C

1500°C

1600°C



as received

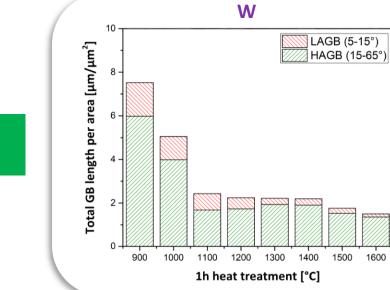
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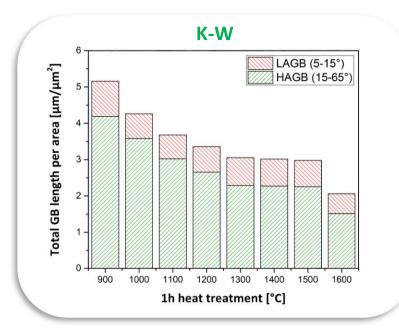
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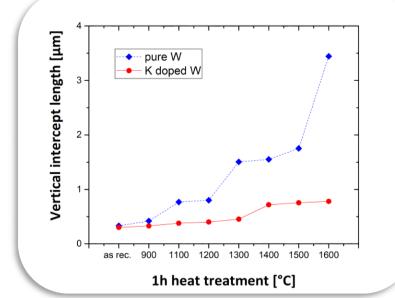
1400°C

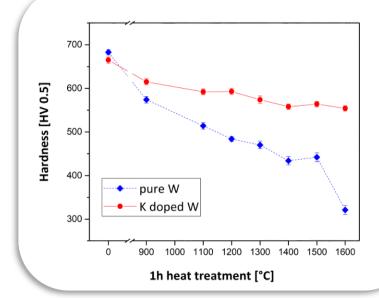
1500°C

1600°C







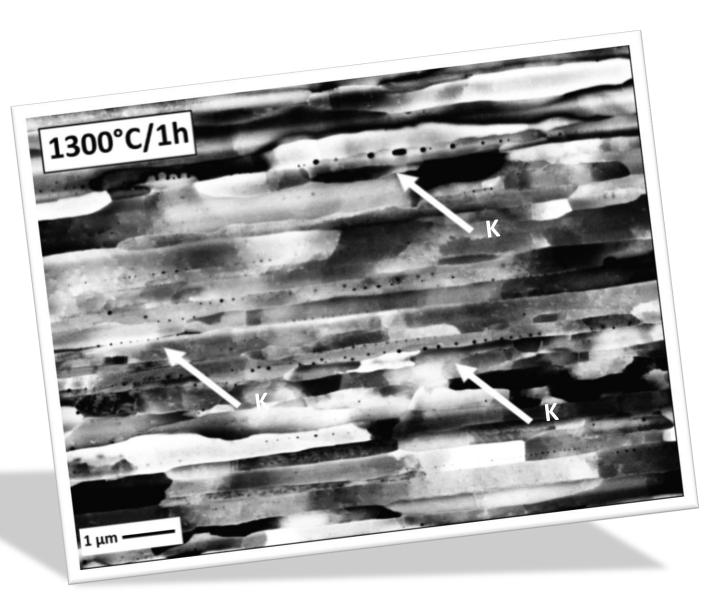


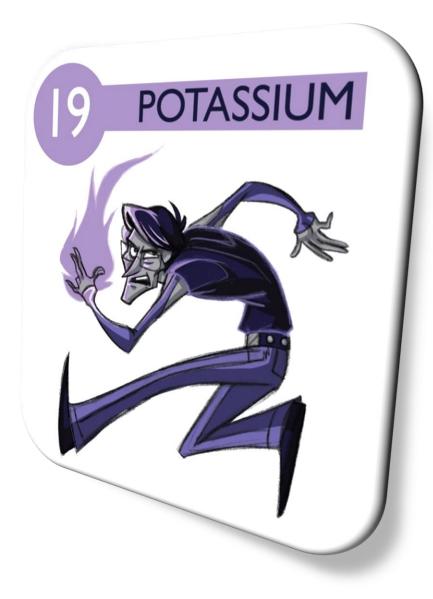
Vickners hardness

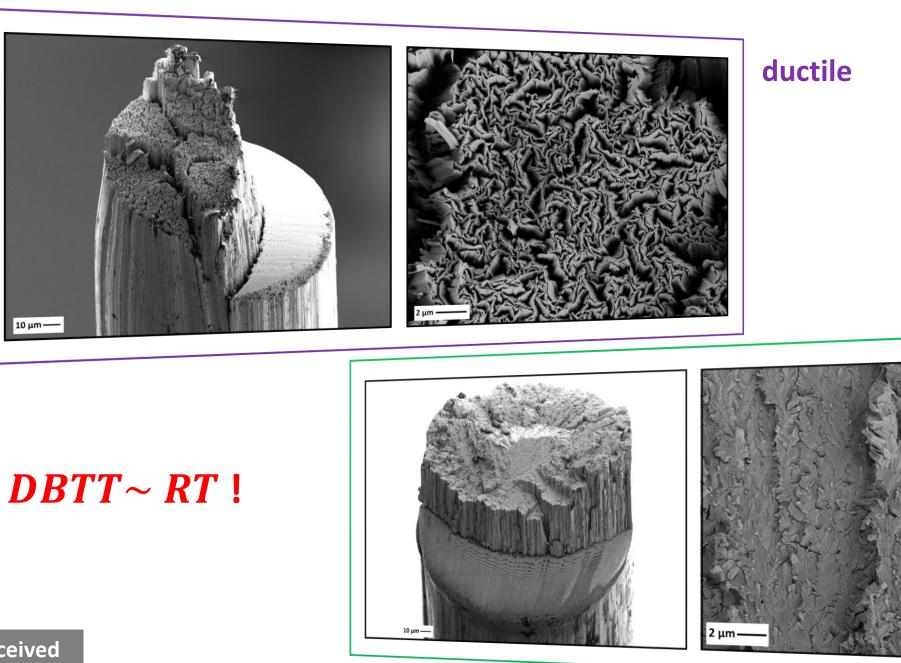
Grain boundaries

Grain

size







brittle

as received

