Propagation
Initial crack
Y
X
30°
Propagation
Initial crack
Y
X
40°
Propagation
Initial crack
Y
X
50°
Initial crack
Y
X
60°
Propagation
Propagation
Y
Initial crack
X
70°
Propagation
Y
Initial crack
X
120°
Propagation
Y
Initial crack
X
140°
Initial crack
Y
X
150°
Propagation