

MULTIPOLES		PARTIAL WAVES		$J^P$
		$I = 1/2$	$I = 3/2$	
$E_{0+}$	-	$S_{11}$	$S_{31}$	$1/2-$
-	$M_{1-}$	$P_{11}$	$P_{31}$	$1/2+$
$E_{1+}$	$M_{1+}$	$P_{13}$	$P_{33}$	$3/2+$
$E_{2-}$	$M_{2-}$	$D_{13}$	$D_{33}$	$3/2-$
$E_{2+}$	$M_{2+}$	$D_{15}$	$D_{35}$	$5/2-$
$E_{3-}$	$M_{3-}$	$F_{15}$	$F_{35}$	$5/2+$
$E_{3+}$	$M_{3+}$	$F_{17}$	$F_{37}$	$7/2+$
$E_{4-}$	$M_{4-}$	$G_{17}$	$G_{37}$	$7/2-$
$E_{4+}$	$M_{4+}$	$G_{19}$	$G_{39}$	$9/2-$
$E_{5-}$	$M_{5-}$	$H_{19}$	$H_{39}$	$9/2+$
$E_{5+}$	$M_{5+}$	$H_{1,11}$	$H_{3,11}$	$11/2+$
$E_{6-}$	$M_{6-}$	$I_{1,11}$	$I_{3,11}$	$11/2-$
$E_{6+}$	$M_{6+}$	$I_{1,13}$	$I_{3,13}$	$13/2-$