

# Status report about produced PWO crystals (05.12.2023)

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# Produced/needed/spare crystals overview

Type	Left	Right	L+ R	Needed amount	Left	Right	Total needed amount with spares	Left	Right	L+R
1	665	703	1368	1120	575	575	1150	0	0	<b>0</b>
2	436	706	1142	1280	655	655	1310	219	0	<b>219</b>
3	114	666	780	1280	655	655	1310	541	0	<b>541</b>
4	111	110	221	1280	655	655	1310	544	545	<b>1089</b>
5	108	111	219	1280	655	655	1310	547	544	<b>1091</b>
6	115	110	225	1280	655	655	1310	540	546	<b>1086</b>
7	110	111	221	1280	655	655	1310	545	544	<b>1089</b>
8	74	65	139	640	330	330	660	256	265	<b>521</b>
9	345	347	692	640	330	330	660	0	0	<b>0</b>
10	118	302	420	640	330	330	660	212	28	<b>240</b>
11	165	135	300	480	245	245	490	80	110	<b>190</b>
<b>Total</b>	<b>2361</b>	<b>3366</b>	<b>5727</b>	<b>11200</b>			<b>11480</b>			<b>6066</b>
<b>Type</b>	<b>Needed</b>	<b>Produced</b>	<b>Diff.</b>							
<b>EC</b>	<b>3856</b>	<b>4400</b>	<b>544</b>							
<b>ECR</b>	<b>640</b>	<b>700</b>	<b>60</b>							

**With current production rate (50 PWO per month) at CRYTUR we need about 10 years to finish the production for PANDA Barrel, if CRYTUR has no alternative contract.**

# Crystals location

Lot	BTCP	Type	Delivered	Paid by	Current owner	Bochum/ Bonn	Giessen	other groups	1st slice at Giessen	Mainz	Total OK	Rejected crystals still in Giessen	OK+ Rejected	Unknown
B0		1-11 L7R	710	Giessen	Giessen	0	15		650		665	0	665	45
B1		1L/R	375	Bochum	GSI	0	290		9		299	74	373	2
B1		EC	425	Bochum	GSI	349	2				351	74	425	0
B2		EC	950	Bochum	GSI	874	2	1			877	73	950	0
B3		EC	1100	Bochum	GSI	958	1				959	141	1100	0
B4		EC	1100	Bochum	GSI	1049	9				1058	42	1100	0
B5		EC	825	Bochum	GSI	810	4				814	9	823	2
B-6		1L/R, 9R	600	Uppsala?	GSI?	0	583		1		584	15	599	1
B-7		1L/R, 9L	1020	Uppsala?	GSI?	0	1011				1011	8	1019	1
B-8		2L,10L/R	260	Bochum	GSI	0	257				257	3	260	0
B8		EC-R	70	Bochum	GSI	0	5			64	69	1	70	0
B9		EC-R	630	Bochum	GSI	0	6			600	606	24	630	0
B-10		2L/R, 3R, 10L/R, 11R	1981	Uppsala?	GSI?	0	1965		15		1980	0	1980	1
sum	BTCP		9336			4040	4135	1	675	664	8865	464	9329	52

# Giessen overview

Type	Left	Right	L+ R	Current location
1	665	703	1368	Giessen
2	436	706	1142	Giessen
3	114	666	780	Giessen
4	111	110	221	Giessen
5	108	111	219	Giessen
6	115	110	224	Giessen
7	110	111	221	Giessen
8	74	65	139	Giessen
9	345	347	692	Giessen
10	118	302	420	Giessen
11	165	135	300	Giessen
Total Barrel Types	2361	3366	5727	Giessen
Total All Types			6117	Giessen

# Four slice plan for Barrel EMC

To finish four slices		
per slice 710 + 22 spare units	Ready	Missed
Slice 1	732	0
Slice 2	732	0
Slice 3	625	107
Slice 4	334	398
<b>Total</b>	<b>2423</b>	<b>505</b>

With current production rate (50 PWO per month) at CRYTUR we need about 10 months to finish the production for 4 slices, if CRYTUR has no alternative contract.

Next types were produced with extra amount	
Type	Amount
1	218
2	51
3	11
9	32
EC	524 (-360)
ECR	36
<b>Total</b>	<b>872 (512)</b>

Some of the geometries can be modified in other types

## Raw materials status

11.220 tons of raw materials are stored at Giessen.